BRUHAT BANGALORE MAHANAGARA PALIKE

Project Name: -MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 05

Client	Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60
WORK SLIP -I	
Approved Tender Amount	2724441.00
Name of Contractor:-	Sri. Gnanendra Murthy
Tender premium:-	(+)4.92%

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess Amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
Item No 01	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clodscomplete and as per the directions of the Engineer-in-charge	cum	90.45	508.78	46019.151	160.82	113.06	508.78	57523.94	47.76	508.78	24300.19	81824.13	35804.98		
Item No 02	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete and as per the directions of the Engineer-in-charge	cum	15.08	2752.39	41506.0412	26.77	18.85	2752.39	51882.55	7.92	2752.39	21794.09	73676.64	32170.60		
Item No 03	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour. HOM of machinery, curing complete and as per the directions of the Engineer-in-charge	cum	15.08	5781.26	87181.4008	26.77	18.85	5781.26	108976.75	7.92	5781.26	45777.46	154754.21	67572.81		

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	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess Amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
Item No 06	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete and as per the directions of the Engineer-in-charge	cum	48.24	5207.89	251228.6136	80.69	60.30	5207.89	314035.77	20.39	5207.89	106186.34	420222.10	168993.49		
Item No 07	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete and as per the directions of the Engineer-in-charge	cum	12.06	227.76	2746.7856	25.16	15.08	227.76	3433.48	10.08	227.76	2296.59	5730.07	2983.29		
Item No 08	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete and as per the directions of the Engineer-in-charge	cum	78.39	70.39	5517.8721	135.67	97.99	70.39	6897.34	37.68	70.39	2652.20	9549.55	4031.67		
	Grand total				**434199.86**				**542749.83**				**745756.71**	**311556.85**		

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(311556.85/ 2724441)x100 = 11.44%

Percentage of Workslip 11.44%

Total cost as per Tendered Amount = 2724441.00
Total cost of Excess over BOQ Amount = 311556.85
% of Workslip Amount Against BOQ = 11.44

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer

Executive Engineer
Yelahanka Zone
BBMP, Bangalore-92

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project Name: -MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 05 BYATARAYANAPURA SUB DIVISION

Agency	**Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**
	EIRL -1
Approved Amount	**2724441.000**
Name of Contractor:-	**Sri. Gnanendra Murthy M D**
Tender premium:-	**+4.92% (Above)**

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all aterials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.Specification No. KBS 4.1, 4.6	cum	1.44	7797.79	11228.82	additional	No	-	Pg No.17 of KPWD S.R 2021-22	

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Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E2	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	cum	0.51	8215.14	4206.15	additional	No	-	Pg No.17 of KPWD S.R 2021-22	
E3	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3	kg	199.82	122.34	24445.00	additional	No	-	Pg No.84 of KPWD S.R 2021-22	

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Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E4	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	Sqm	20.36	9593.88	195331.49	additional	No	-	Data Rates	
	TOTAL EIRL AMOUNT				235211.46					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST= $\frac{235211.46}{2724441.00} \times 100$ = = **8.63 %**

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 95 BY ATARAYANAPURA SUB DIVISION

Agency	**Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**
RATE ANALYSIS	
Approved Amount	**2724441.00**
Name of Contractor:-	**Sri. Gnanendra Murthy**
Tender premium:-	**+4.92% (Above)**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.92%	Final Rate
Item No 01	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clodscomplete and as per the directions of the Engineer-in-charge	Cum	Pg No.6 of KPWD S.R 2018-19	2.4	449.00	-	449.00	35.92	484.92	23.86	508.78
Item No 02	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete and as per the directions of the Engineer-in-charge	cum	Pg No.7 of KPWD S.R 2018-19	2.15	2429.00		2429.00	194.32	2623.32	129.07	2752.39
Item No 03	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete and as per the directions of the Engineer-in-charge	cum	Pg No.13 of KPWD S.R 2018-19	4.3	5102.00		5102.00	408.16	5510.16	271.19	5781.35

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Sl No	Description	Unit	Rate	Item	Basic rate	Lab sheet No	Total	Job # 6%	Total Rate	Job # %	Total Rate
Item No 06	Providing and constructing pucca / kutcha rubble masonry in foundation cement mortar 1:6, stone hammerdressed to courses not less than 20 cms high, lead stones at 2m apart in each course including cost of materials, labour, curing complete and as per the directions of the Engineer in charge.	rcm	₹4,350.00 (₹ Four thousand three hundred fifty only)	5.6	4356.00		4356.00	3865.68	8221.68	1644.3	9865.98
Item No 07	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with hand rams 50 no. and lift upto 1.5 m. including cost of all labour complete and as per the directions of the Engineer in charge.	cum	₹90.00 (₹ Ninety only)	2.1	189.00		189.00	16.98	205.98	59.66	265.58
Item No 08	Conveying the excavated earth, debris etc., with all lead and lifts including loading and unloading charges etc., complete and as per the directions of the Engineer in charge.	cum	₹4.50 (₹ Four and fifty paise only)	13.1, 13.4	69.12		69.12	4.0608	65.06	5.86	70.98
					SUB TOTAL						
03	Providing and laying in position Reinforced cement concrete for all Sub structure of building, Irregular works, Sub structure works of bridges, Irrigation works & other parallel works 1:1.5:3 as Jangle The specified graded stone aggregates and fine aggregates as per relevant IS Other machine mixed with super plasticizers, laid in layers, well compacted using needle vibrators, providing curing bath wherever necessary, including all lead & lifts, cost of all materials of quality conforming to the requirements of relevant IS other clause, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. The cost of steel reinforcement is forwarded to be paid separately. NOTE Design Mix Concrete shall not be used. Only specified graded coarse aggregates	cum	₹6,350.37 (₹ Six thousand three hundred fifty only)	2.1.2	6356.48		6356.48	635.648	7192.128	863.66	7760.19

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.92%	Final Rate.
E2	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	cum	Pg No.17 of KPWD S.R 2021-22	2.5.1	7118.10		7118.10	711.81	7829.91	385.23	8215.14
E3	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)	Kg	Pg No.84 of KPWD S.R 2021-22	11.32	106.00		106.00	10.60	116.60	5.74	122.34

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.92%	Final Rate.
E4	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	Sqm	Data Rates		9144.00		9144.00		9144.00	449.88	9593.88

Asst Engineer

Executive Engineer

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